

# EUROPEAN PATENT OFFICE

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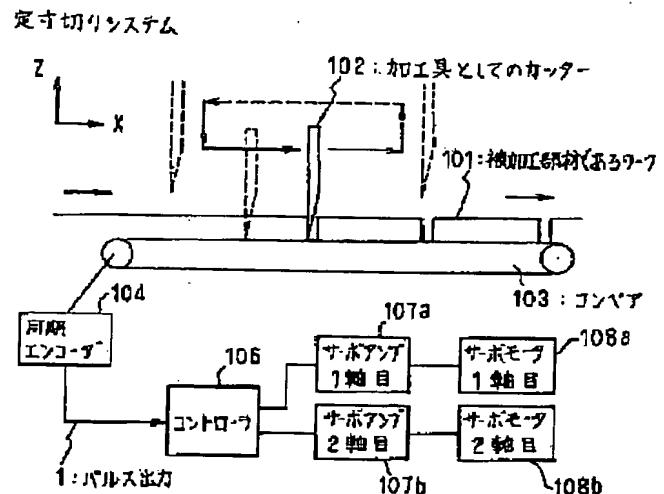
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TITLE : MOTION CONTROLLER



ABSTRACT : PURPOSE: To automatically generate an operation pattern for an electronic cam function in a system where a machined member is cut in a prescribed size synchronously with the feed of the machined member.

CONSTITUTION: In a prescribed size cutting system, an electronic cam processing part controls the operating cycle of a tool that performs a cutting operation as well as an acceleration/deceleration operation which secures the synchronization with the feed of a member to be machined 101 by an electronic cam function that outputs a slave position signal with input of a master position signal. Then a motion controller includes a means which automatically calculates an operation pattern for the electronic cam function by inputting the ratio set between an acceleration/deceleration operation range and the moving range of a machining tool 102 and also the ratio set between a cutting operation range and the moving range of the tool 102.

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